

§ 574.4 Applicability.

This part applies to manufacturers, brand name owners, retreaders, distributors, and dealers of new and retreaded tires, and new non-pneumatic tires and non-pneumatic tire assemblies for use on motor vehicles manufactured after 1948 and to manufacturers and dealers of motor vehicles manufactured after 1948. However, it does not apply to persons who retread tires solely for their own use.

[36 FR 5422, Mar. 23, 1971, as amended at 55 FR 29596, July 20, 1990]

§ 574.5 Tire identification requirements.

(a) *Tire identification number (TIN) labeling requirement*—(1) *New tires.* Each new tire manufacturer must conspicuously label on one sidewall of each tire it manufactures, except non-pneumatic tires or non-pneumatic tire assemblies, by permanently molding into or onto the sidewall, in the manner and location specified in Figure 1, a TIN consisting of 13 symbols and containing the information set forth in paragraphs (b)(1) through (b)(3) of this section. NOTE: The Federal Motor Vehicle Safety Standards may have more specific TIN marking requirements for some tires. See 49 CFR part 571.

(2) *Retreaded tires.* Each tire retreader must conspicuously label at least one sidewall of each tire it retreads by permanently molding or branding into or onto the sidewall, in the manner and location specified by Figure 2, a TIN consisting of seven symbols and containing the information set forth in paragraphs (b)(1) and (b)(3) of this section.

(3) *Non-pneumatic tires and non-pneumatic tire assemblies.* Each manufacturer of a non-pneumatic tire or non-pneumatic tire assembly must permanently mold, stamp, or otherwise permanently mark into or onto at least one side of the non-pneumatic tire or non-pneumatic tire assembly a TIN consisting of 13 symbols and containing the information set forth in paragraphs (b)(1) through (b)(3) of this section.

(4) *Tires for mileage-contract purchasers.* Manufacturers or retreaders of tires exclusively for mileage-contract purchasers may, instead of meeting

any other requirements of this section, permanently mold into or onto the tire sidewall in lettering at least 6 mm (0.25 inch) high the phrase “for mileage contract use only”.

(5) *Optional phase-out of two-symbol plant code.* NHTSA will assign to tire manufacturers who were previously assigned a plant code consisting of two symbols a new three-symbol plant code to replace each two-symbol plant code. A manufacturer may continue to use a previously assigned two-symbol plant code until April 13, 2025. Manufacturers who use a two-symbol plant code must comply with paragraph (g) of this section in lieu of the requirements in paragraph (b) of this section. Retreaders may also optionally comply with paragraph (g) of this section in lieu of paragraph (b) of this section until April 13, 2025.

(b) *TIN content requirements*—(1) *Plant code.* The plant code, consisting of three symbols, must be the first group of the TIN. The plant code represents the identity of the new tire manufacturer or retreader. The plant code is assigned to the manufacturer or retreader by NHTSA upon request. See § 574.6.

(2) *Manufacturer's code.* The manufacturer's code, consisting of six symbols, is the second group of the TIN for all new tires, but it cannot be used for retreaded tires. The manufacturer's code must be located between the plant code and the date code as shown in Figure 1. For new tires, the manufacturer's code may be used as a descriptive code for the purpose of identifying significant characteristics of the tire or to identify the brand name owner. For a new non-pneumatic tire or a non-pneumatic tire assembly, the manufacturer's code must identify the non-pneumatic tire identification code. Each manufacturer must maintain a detailed record of each manufacturer's code it uses with the corresponding tire size, tire characteristic, brand name owner, and non-pneumatic tire identification code as applicable and their respective meanings, which it must provide to NHTSA upon request.

(3) *Date code.* The date code, consisting of four numerical symbols, is the final group. The date code must

identify the week and year of manufacture. The first and second symbols of the date code must identify the week of the year by using “01” for the first full calendar week in each year, “02” for the second full calendar week, and so on. The calendar week runs from Sunday through the following Saturday. The final week of each year may include no more than six days of the following year. The third and fourth symbols of the date code must identify the last two digits of the year of manufacture. For example, 0109 means the tire was manufactured in the first full calendar week of 2009, or the week beginning on Sunday, January 4, 2009, and ending on Saturday, January 10, 2009. The date code must be positioned as shown in Figures 1 or 2 for new tires and retreaded tires, respectively.

(c) *Retreaded tire mark.* The symbol “R” must be used to identify retreaded tires, and must be marked at the time of TIN marking in a location specified in Figure 2. The “R” is not part of the TIN.

(d) *Method of marking.* (1) At the option of the manufacturer or retreader, the information contained in paragraph (b)(3) of this section may, instead of being permanently molded, be laser etched into or onto the sidewall in the location specified in Figures 1 or 2, respectively, during the manufacturing process of the tire and not later than 24 hours after the tire is removed from the mold.

(2) The labeling for a non-pneumatic tire or a non-pneumatic tire assembly must be in the manner specified in Figure 1 and positioned on the non-pneumatic tire or non-pneumatic tire assembly such that it is not placed on the tread or the outermost edge of the tire and is not obstructed by any portion of the non-pneumatic rim or wheel center member designated for use with that non-pneumatic tire in S4.4 of Standard No. 129 (49 CFR 571.129).

(e) *The DOT symbol.* (1) The DOT symbol constitutes a certification that the marked tire conforms to an applicable Federal Motor Vehicle Safety Standard.

(2) If required, a manufacturer or retreader must place the DOT symbol as shown and positioned relative to the

TIN in Figure 1 for new tires and as shown in Figure 2 for retreaded tires.

(3) The DOT symbol must not appear on tires to which no Federal Motor Vehicle Safety Standard is applicable, except that retreaders of tires for use on motor vehicles other than passenger cars may, prior to retreading, remove the DOT symbol from the sidewall or allow it to remain on the sidewall, at the retreader’s option.

(f) *Authorized symbols.* The only symbols that manufacturers and retreaders are allowed to use in the tire identification number are: A, B, C, D, E, F, H, J, K, L, M, N, P, R, T, U, V, W, X, Y, 1, 2, 3, 4, 5, 6, 7, 8, 9, and 0.

(g) *Old TIN content requirement.* The following requirements are applicable to tire manufacturers who were previously assigned two-symbol plant codes by NHTSA and to retreaders. A new tire manufacturer who continues to use a previously assigned two-symbol plant code in place of a new three-symbol plant code and a retreader may optionally comply with this paragraph instead of paragraph (b) of this section until April 13, 2025.

(1) *First grouping.* The plant code, consisting of two symbols, must be the first group of the TIN. The plant code represents the identity of the new tire manufacturer and was previously assigned to the manufacturer by NHTSA.

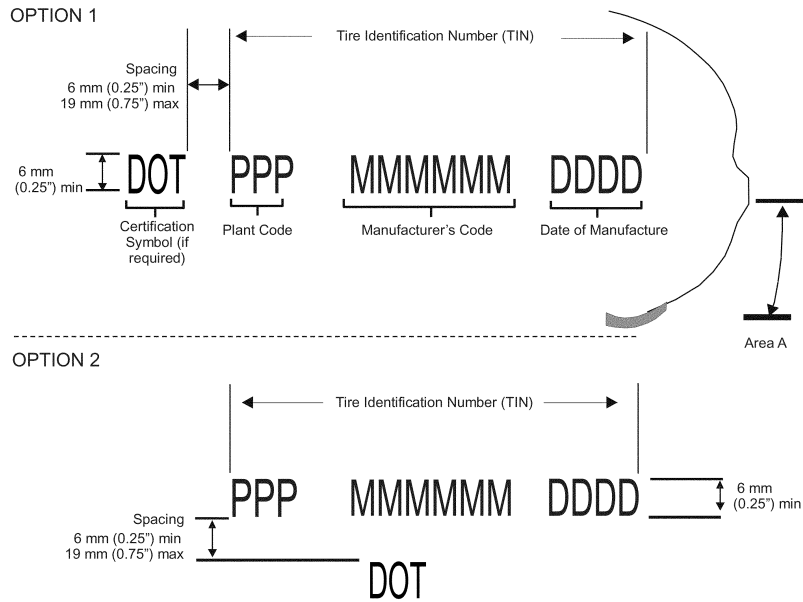
(2) *Second grouping.* For new tires, the second group, consisting of no more than two symbols, must be used to identify the tire size. For a non-pneumatic tire or non-pneumatic tire assembly, the second group, consisting of no more than two symbols, must be used to identify the non-pneumatic tire identification code. For retreaded tires, the second group, consisting of no more than two symbols, must identify the retread matrix in which the tire was processed or a tire size code if a matrix was not used to process the retreaded tire. Each new tire manufacturer and retreader must maintain a record of each symbol used, with the corresponding matrix or tire size, which it must provide to NHTSA upon request.

(3) *Third grouping.* The third group, consisting of no more than four symbols, may be used at the option of the

manufacturer or retreader as a descriptive code for the purpose of identifying significant characteristics of the tire. However, if the tire is manufactured for a brand name owner, one of the functions of the third grouping must be to identify the brand name owner. Each manufacturer or retreader who uses the third grouping must maintain a detailed record of any descriptive brand name owner code used, which it must provide to NHTSA upon request.

(4) *Fourth grouping.* The date code, consisting of four numerical symbols, is the final group. The date code must identify the week and year of manufacture. The first and second symbols of the date code must identify the week of

the year by using "01" for the first full calendar week in each year, "02" for the second full calendar week, and so on. The calendar week runs from Sunday through the following Saturday. The final week of each year may include no more than six days of the following year. The third and fourth symbols of the date code must identify the last two digits of the year of manufacture. For example, 0109 means the tire was manufactured in the first full calendar week of 2009, or the week beginning on Sunday, January 4, 2009, and ending on Saturday, January 10, 2009. The date code must be positioned as shown in Figures 1 or 2 for new tires and retreaded tires, respectively.

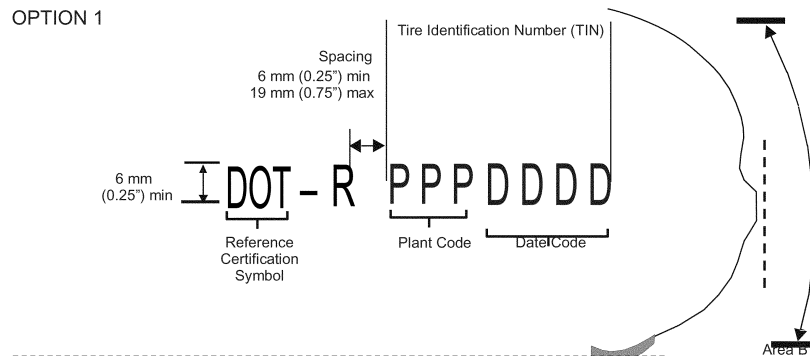


Notes

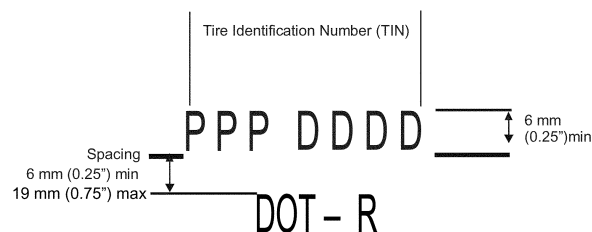
1. The TIN shall be in "Futura" Bold, Modified, or Condensed or "Gothic" characters. Other print types will be permitted if approved by NHTSA. The certifying symbol and the TIN shall be at least 6 mm in height and permanently molded 0.51 mm (0.020") to 1.02 mm (0.040") deep, measured from the surface immediately surrounding the symbols into or onto the tire at the indicated location on one side. As an option, the information contained in paragraph (b)(3) may also be laser etched in the same location to a depth of 0.25 mm (0.010") to 1.02 mm (0.040") consistent with the requirements of paragraph (d)(1). For tires with a cross section of 152 mm (6 inches) or less or with a bead diameter of 330 mm (13 inches) or less, the height of the characters may be 4 mm (0.156 inches) or greater.
2. The certification symbol is not part of the TIN and may only be marked by the manufacturer for tires it has certified to a Federal Motor Vehicle Safety Standard. The DOT symbol may be located to the left of TIN, or it may be wholly located above or below the Manufacturer's code. The spacing between the DOT symbol and the TIN shall be no less than 6 mm (0.25 inch) and no more than 19 mm (0.75 inch).
3. Groups of symbols in the TIN shall be in the order and number of symbols indicated, see Option 1 and Option 2, above. Deviation from the straight line arrangement will be permitted if required to conform to the curvature of the tire.
4. Locate the certification symbol and the TIN in the lower segment of one sidewall between the maximum section width and bead (Area A), so that data will not be obstructed by rim flange, unless maximum section width falls between the bead and one-fourth of the distance from the bead to the shoulder of the tire. For tires where the maximum section width falls in that area, locate all required labeling between the bead and one-half the distance from the bead to the shoulder so that the data will not be obstructed by the rim flange.
5. Manufacturers who were previously assigned two-symbol plant codes may continue to use two-symbol plant codes in accordance with the requirements of paragraph (g). For those tires, the two-symbol plant code is followed by a size code that is up to two symbols in length, a tire type code that is up to four symbols in length, and the four-symbol date code.

Figure 1: Tire Identification Number (TIN) for New Tires

OPTION 1



OPTION 2



Notes

1. The TIN shall be in "Futura" Bold, Modified, or Condensed or "Gothic" characters. Other print types will be permitted if approved by NHTSA. The DOT symbol, the TIN, and the "R" shall be permanently molded 0.51 mm (0.020") to 1.02 mm (0.040") deep, measured from the surface immediately surrounding the symbols into or onto the tire at the indicated location on one side. As an option, the information contained in paragraph (b)(3) may be laser etched in the same location to a depth of 0.25 mm (0.010") to 1.02 mm (0.040") consistent with the requirements of paragraph (d)(1).
2. The "DOT" symbol is not part of the TIN and may only be marked onto tires that have been certified to a federal motor vehicle safety standard. The "R" symbol is not part of the TIN, but shall be marked by the retreader when the TIN is marked on the retreaded tire. The "R" may be located to the left of the TIN or it may be located above or below the TIN no less than 6 mm (0.25 inch) and not more than 19 mm (0.75 inch). The "DOT" symbol, when appropriate to mark, shall prefix the "R" by no less than 6 mm (0.25 inch) and not more than 19 mm (0.75 inch). When marked above or below the TIN, the "DOT" symbol, when appropriate, the "R" symbol shall be wholly located above or below the TIN.
3. Groups of symbols in the TIN shall be in the order and number of symbols indicated. Deviation from the straight line arrangement shown will be permitted if required to conform to the curvature of the tire. Locate the certification symbol (if applicable), the "R", and the TIN in Area B, but not on the scuff ribs of the sidewall.
4. The retreaded tire TIN is comprised of the three character plant code followed by the four numerical character date code.
5. Retreaders may optionally use older TIN requirements specified in paragraph (g). These requirements specify, between the plant code and the date code, up to two symbols specifying the retread matrix or tire size code and up to four symbols for the tire type code.

Figure 2: Tire Identification Number (TIN) for Retreaded Tires

[80 FR 19560, Apr. 13, 2015]

§ 574.6 How to obtain a plant code.

To obtain a plant code required by § 574.5(b)(1), each manufacturer of new